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Substitute for form 1449/PTO				Complete if Known Application Number 10/531,077 Filing Date 2003-10-24 First Named Inventor PROCTOR, James A. Jr., Art Unit 2618 Examiner Name SOBUTKA, Philip	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					
(Use as many sheets as necessary)					
Sheet	1	of	8	Attorney Docket No: 080587	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US4777653	10-11-1988	BONNEROT, Georges, et al.	
	002	US5095528	03-10-1992	LESLIE, Samuel A., et al.	
	003	US5333175	07-26-1994	ARIYAVISITAKUL, Sirikiat, et al.	
	004	US5383144	01-17-1995	KATO, Shiro	
	005	US5767788	06-16-1998	NESS, James C.	
	006	US5825809	10-20-1998	SIM, Bok-Tae	
	007	US6539028	03-25-2003	SOH, Kok Hong, et al.	
	008	US6549542	04-15-2003	DONG, Sung-Soo, et al.	
	009	US6563468	05-13-2003	HILL, Robert, et al.	
	010	US6664932	12-16-2003	SABET, Kazem F., et al.	
	011	US6694125	02-17-2004	WHITE, Stanley A., et al.	
	012	US6786113	07-20-2004	AL-SALAMEH, Daniel Y., et al.	
	013	US6788256	09-07-2004	HOLLISTER, John E.	
	014	US7043203	05-09-2006	MIQUEL, Xavier Barba, et al.	
	015	US7123670	10-17-2006	GILBERT, Jeffrey M., et al.	
	016	US7133460	11-07-2006	BAE, Sang-Min, et al.	
	017	US7457587	11-25-2008	CHUNG, Hee-Sok	
	018	US20010040699	11-15-2001	OSAWA, Hidefumi, et al.	
	019	US20010050580	12-13-2001	O'toole, James E., et al.	

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*EXAMINER. Initial reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional).
 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).
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		Number-Kind Code ² (if known)			
	020	US20010050906	12-13-2001	ODENWALDER, Joseph P., et al.	
	021	US20020004924	01-10-2002	KIM, Min-Koo, et al.	
	022	US20020034958	03-21-2002	OBERSCHMIDT, Gerald, et al.	
	023	US20020119783	08-29-2002	BOURLAS, Yair, et al.	
	024	US20020159506	10-31-2002	ALAMOUTI, Siavash, et al.	
	025	US20030211828	11-13-2003	DALGLEISH, Robert, et al.	
	026	US20040056802	03-25-2004	HOLLISTER, John E.	
	027	US20040208258	10-21-2004	LOZANO, Angel, et al.	
	028	US20040235417	11-25-2004	DEAN, Richard F.	
	029	US20040248581	12-09-2004	SEKI, Hiroyuki, et al.	
	030	US20060028388	02-09-2006	SCHANTZ, Hans Gregory	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number* Kind Code ⁵ (if known)			
	031	CN1186401	07-01-1998	SAMSUNG ELECTRONICS CO., LTD.	<input checked="" type="checkbox"/>
	032	EP0709973A1	05-01-1996	NTT MOBILE COMMUNICATIONS NETWORK INC.	<input type="checkbox"/>

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 Translation is attached This collection of information is required by 37 CFR 1.97 and 1.56. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
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Substitute for form 1462/PTO		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/531,077	
		Filing Date	2003-10-24	
		First Named Inventor	PROCTOR, James A. Jr.	
		Art Unit	2618	
		Examiner Name	SOBUTKA, Philip	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ Number ² Kind Code ⁴ (if known)				
	033	EP0715423	06-05-1996	AT & T CORP [US]		<input type="checkbox"/>
	034	EP0847146A2	06-10-1998	NEC CORP [JP]		<input type="checkbox"/>
	035	EP0853393A1	07-15-1998	NTT MOBILE COMMUNICATIONS NETWORK INC.		<input type="checkbox"/>
	036	GB2351420A	12-27-2000	MOTOROLA LTD.		<input type="checkbox"/>
	037	JP02100358	04-12-1990	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	038	JP03021884	01-30-1991	MITSUBISHI ELECTRIC CORP.		<input checked="" type="checkbox"/>
	039	JP05063623	03-12-1993	NEC CORP.		<input checked="" type="checkbox"/>
	040	JP05102907	04-23-1993	FUJITSU LTD.		<input checked="" type="checkbox"/>
	041	JP06334577	12-02-1994	NIPPON TELEGRAPH & TELEPHONE.		<input checked="" type="checkbox"/>
	042	JP07030473	01-31-1995	NIPPON TELEGRAPH & TELEPHONE.		<input checked="" type="checkbox"/>
	043	JP07079205	03-20-1995	NIPPON TELEGRAPH & TELEPHONE.		<input checked="" type="checkbox"/>
	044	JP08274706	10-18-1996	KYOCERA CORP.		<input checked="" type="checkbox"/>
	045	JP09018484A	01-17-1997	TEC CORP.		<input checked="" type="checkbox"/>
	046	JP09182155	07-11-1997	HITACHI LTD.		<input checked="" type="checkbox"/>
	047	JP10032557A	02-03-1998	NEC CORP.		<input checked="" type="checkbox"/>
	048	JP10135892	05-22-1998	MITSUBISHI ELECTRIC CORP.		<input checked="" type="checkbox"/>
	049	JP11055713	02-26-1999	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>

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Substitute for form 1449-PTO		<table border="1"> <tr> <td>Application Number</td> <td>Complete if Known 10/531,077</td> </tr> <tr> <td>Filing Date</td> <td>2003-10-24</td> </tr> <tr> <td>First Named Inventor</td> <td>PROCTOR, James A. Jr.,</td> </tr> <tr> <td>Art Unit</td> <td>2618</td> </tr> <tr> <td>Examiner Name</td> <td>SOBUTKA, Philip</td> </tr> </table>		Application Number	Complete if Known 10/531,077	Filing Date	2003-10-24	First Named Inventor	PROCTOR, James A. Jr.,	Art Unit	2618	Examiner Name	SOBUTKA, Philip
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Examiner Name	SOBUTKA, Philip												
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Sheet	4	of	8										
		Attorney Docket No: 080587											

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ² Number ³ Kind Code ⁴ (if known)				
	050	JP11127104	05-11-1999	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	051	JP2000031877	01-28-2000	SHARP CORP.		<input checked="" type="checkbox"/>
	052	JP2000082983A	03-21-2000	KOKUSAI ELECTRIC CO LTD.		<input checked="" type="checkbox"/>
	053	JP2000236290	08-29-2000	NEC ENG LTD.		<input checked="" type="checkbox"/>
	054	JP2000269873	09-29-2000	KOKUSAI ELECTRIC CO LTD.		<input checked="" type="checkbox"/>
	055	JP2000502218T	02-22-2000	QUALCOMM INC.		<input checked="" type="checkbox"/>
	056	JP2001111575A	04-20-2001	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	057	JP2002033691	01-31-2002	SONY INT EUROP GMBH.		<input checked="" type="checkbox"/>
	058	JP2002111571A	04-12-2002	NIPPON TELEGR & TELEPH CORP.		<input checked="" type="checkbox"/>
	059	JP2002271255	09-20-2002	TOSHIBA DIGITAL MEDIA ENGINEERING CORP.		<input checked="" type="checkbox"/>
	060	JP2003174394	06-20-2003	HITACHI KOKUSAI ELECTRIC INC.		<input checked="" type="checkbox"/>
	061	JP2004328666	11-18-2004	MATSUSHITA ELECTRIC WORKS LTD.		<input checked="" type="checkbox"/>
	062	JP2005531202	10-13-2005	WIDEFI, INC.		<input checked="" type="checkbox"/>
	063	JP2005531265	10-13-2005	QUALCOMM INC.		<input checked="" type="checkbox"/>
	064	JP2006503481	01-26-2006	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	065	JP2006505146	02-09-2006	QUALCOMM INC [US]		<input checked="" type="checkbox"/>
	066	JP6013947	01-21-1994	NEC CORP.		<input checked="" type="checkbox"/>

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	067	JP62040895	02-21-1987	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	068	JP63160442	07-04-1988	HITACHI DENSHI LTD.		<input checked="" type="checkbox"/>
	069	JP64011428	01-17-1989	TOYO COMMUN EQUIP CO LTD.		<input checked="" type="checkbox"/>
	070	KR100610929	08-10-2006	SAMSUNG THALES CO LTD [KR]		<input checked="" type="checkbox"/>
	071	RU2120702C1	10-20-1998	BRITISH TELEKOMM JUNIKEJSHN Z PABLIK LIMITED KOMPAN.		<input checked="" type="checkbox"/>
	072	WO0050971A2	08-31-2000	BERKELEY CONCEPT RESEARCH CORP [US]		<input type="checkbox"/>
	073	WO0152447	07-19-2001	ANDREW CORPORATION [US]		<input type="checkbox"/>
	074	WO0182512A1	11-01-2001	KOREA TELECOM FREETEL CO., LTD. [KR]		<input type="checkbox"/>
	075	WO03013005A2	02-13-2003	SPOTWAVE WIRELESS INC [CA]		<input type="checkbox"/>
	076	WO04032362	04-15-2004	WIDEFI, INC.		<input type="checkbox"/>
	077	WO05115022	12-01-2005	WIDEFI, INC.		<input type="checkbox"/>
	078	WO2004001986A2	12-31-2003	TANTIVY COMM INC [US]		<input type="checkbox"/>
	079	WO2004002014	12-31-2003	QUALCOMM INCORPORATED [US]		<input type="checkbox"/>
	080	WO2004004365	01-08-2004	QUALCOMM INCORPORATED [US]		<input type="checkbox"/>
	081	WO92014339	08-20-1992	BRITISH TELECOMMUNICATIONS.		<input type="checkbox"/>

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		Country Code ³ Number* Kind Code ⁴ (if known)				
	082	WO97034434	09-18-1997	MOTOROLA INC [US]		<input type="checkbox"/>
	083	WO9858461A1	12-23-1998	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	084	WO9959264A2	11-18-1999	NOKIA NETWORKS OY [FI]		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T2
	085	Draft IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems. Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands. IEEE P802.16E/D12, Oct 2005.				<input type="checkbox"/>
	086	IEEE, "Corrigendum to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems," Draft Standard, September 12, 2005, 288 pages, P802.16-2004/Cor1/D5, New York, New York.				<input type="checkbox"/>
	087	Translation of Office Action in Japanese application 2004-515701, corresponding to US application 10/516,327, citing WO00050971, JP2000-031877, JP2002-033691, JP2002-111571 and JP11-127104. Dated 2010-05-25 (080583JP).				<input type="checkbox"/>
	088	Translation of Office Action in Japanese application 2004-544751, corresponding to US application 10/531,078, citing WO00050971, JP2002-111571, JP05-102907, JP63-160442, JP2000-502218, JP10-032557 and JP2000-082983. Dated 2009-08-25 (080590JP).				<input type="checkbox"/>
	089	Translation of Office Action in Japanese application 2004-553510, corresponding to US application 10/533,589, citing WO00050971, JP09-182155, JP64-011428 and JP62-040895. Dated 2009-09-29 (080588JP).				<input type="checkbox"/>
	090	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP08-097762 and JP2001-111575. Dated 2009-08-11				<input type="checkbox"/>

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Substitute for form 1459PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known Application Number 10/531,077 Filing Date 2003-10-24 First Named Inventor PROCTOR, James A. Jr., Art Unit 2618 Examiner Name SOBUTKA, Philip	
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		(080589JP).		
	091	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP08-097762, JP2001-111575, JP09-018484 and JP11-055713. Dated 2010-09-14 (080589JP).	<input type="checkbox"/>	
	092	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP09-018484. Dated 2010-02-23 (080589JP).	<input type="checkbox"/>	
	093	Translation of Office Action in Japanese application 2009-503041, corresponding to US application 11/730,361, citing W005115022, JP10-135892, JP2005-531265, 2006-503481, JP2005-531202 AND JP2006-505146. Dated 2010-10-26 (080600JP).	<input type="checkbox"/>	
	094	Translation of Office Action in Korean application 2008-7026775, corresponding to US application 11/730,361, citing KR100610929 Dated 2010-08-30 (080600KR).	<input type="checkbox"/>	
	095	Translation of Office Action in Korean application 2009-7010839, corresponding to US application 12/439,018, citing WO01052447 and US2004/0208258, Dated 2010-11-15 (080608KR).	<input type="checkbox"/>	

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